

What is claimed is

1. A mounting assembly for an accessory, such as an armboard, configured to selectively attach the accessory to a patient support of the type having a mounting rail extending along a longitudinal dimension thereof, the mounting  
5 assembly comprising:  
a support arm,  
a lockable first joint coupled to the accessory and coupled to the support arm, the first joint being configured to permit movement of the accessory along the support arm and configured to permit movement of the accessory relative to  
10 the support arm about a first plurality of axes,  
a post,  
a lockable second joint coupled to the support arm and coupled to the post, the second joint being configured to permit movement of the support arm relative to the post about a second plurality of axes, and  
15 a lockable third joint coupled to the post and coupled to the rail, the third joint being configured to position the post in a selected vertical position relative to the rail and in a selected longitudinal position along the rail.
2. The mounting assembly of claim 1, wherein the lockable second joint includes a swivel joint.
- 20 3. The mounting assembly of claim 1, wherein the first and lockable second joints each include a swivel joint.
4. The mounting assembly of claim 1, wherein the lockable first joint includes a handle configured to lock the accessory at a selected longitudinal position along the support arm, and lock the accessory against movement relative to  
25 the support arm about the first plurality of axes.
5. The mounting assembly of claim 1, wherein the lockable first joint includes a ball joint to which the accessory is coupled for movement about the first plurality of axes, the ball joint including a housing movable along the support arm and a handle coupled to the housing and configured to lock the housing at a  
30 selected longitudinal position along the support arm and lock the ball joint against movement about the first plurality of axes.

6. The mounting assembly of claim 1, wherein the lockable second joint includes a handle configured to lock the support arm against movement relative to the post about the second plurality of axes.

7. The mounting assembly of claim 1, wherein the lockable  
5 second joint includes a swivel joint to which the support arm is coupled for movement about the second plurality of axes, the swivel joint including a handle configured to lock the swivel joint against movement about the second plurality of axes.

8. The mounting assembly of claim 7, wherein the swivel joint is coupled to a first end of the support arm, wherein the handle is coupled to a second  
10 end of the support arm, and wherein the handle is movable between a first position in which the swivel joint is locked and a second position in which the swivel joint is unlocked.

9. The mounting assembly of claim 1, wherein the lockable second joint comprises a swivel joint including:  
15 a spherical disc coupled to the post,  
a split housing coupled to the support arm, the split housing including first and second halves configured to form a spherical seat for receiving the spherical disc for rotation about the second plurality of axes, and  
a handle coupled to the support arm, wherein the handle is movable  
20 between a first position in which the two halves of the split housing constrict around the spherical disc to lock the swivel joint against movement and a second position in which two halves are spread apart to loosen their grip on the spherical disc to unlock the swivel joint.

10. The mounting assembly of claim 9, wherein the spherical disc  
25 comprises a pair of split rings mounted on a shaft coupled to the post.

11. The mounting assembly of claim 9, wherein the support arm is in the form of an outer tube, wherein the swivel joint includes an actuator shaft extending through the tubular support arm, wherein the actuator shaft has a first end coupled to a cam shaft and a second end coupled to the handle, and wherein the  
30 swivel joint includes a lock release pin in engagement with the cam shaft so that movement of the handle to the second position causes cam shaft to push the lock

release pin to, in turn, cause the two halves to spread apart to loosen their grip on the spherical disc to unlock the swivel joint.

12 The mounting assembly of claim 1, wherein the lockable third joint includes a handle configured to lock the post in a selected vertical position  
5 relative to the rail and in a selected longitudinal position along the rail.

13. The mounting assembly of claim 12, wherein the lockable third joint is configured to permit rotation of the post about a generally vertical axis and about a generally transverse axis, and wherein the handle is additionally configured to lock the post against movement about the vertical and transverse axes.

10 14. A mounting assembly for an accessory, such as an armboard, configured to selectively attach the accessory to a patient support of the type having a mounting rail extending along a longitudinal dimension thereof, the mounting assembly comprising:

a support arm,  
15 a lockable first swivel joint coupled to the accessory and coupled to the support arm, the lockable first swivel joint being configured to permit movement of the accessory along the support arm and configured to permit movement of the accessory relative to the support arm about a first plurality of axes,

a post coupled to the rail, and  
20 a lockable second swivel joint coupled to the support arm and coupled to the post, the lockable second swivel joint being configured to permit movement of the support arm relative to the post about a second plurality of axes.

15 15. The mounting assembly of claim 14, including a lockable third joint coupled to the rail and coupled to the post, the third joint being configured to position the post in a selected vertical position relative to the rail and in a selected longitudinal position along the rail.

16. A mounting assembly for an accessory, such as an armboard, configured to selectively attach the accessory to a patient support of the type having a mounting rail extending along a longitudinal dimension thereof, the mounting  
30 assembly comprising:

a mount,  
a generally vertical post,

a clamp configured to position the vertical post in a selected vertical position and position the mount in a selected longitudinal position along the rail, a swivel joint coupled to the vertical post, a support arm coupled to the swivel joint, a body movable along the support arm, a ball joint coupled to the body, a lock coupled to the body to lock the body in a selected position along the support arm and lock the ball joint against movement, and a support coupled to the accessory and movable with the ball joint.

10           17. An armboard apparatus for supporting a patient's arm relative to a patient support device, the armboard apparatus comprising a mount adapted to be coupled to the patient support device, a rod assembly including an elongated rod coupled to a lockable swivel joint, the lockable swivel joint being coupled with the mount and configured to permit movement of the elongated rod relative to the mount about a plurality of axes, an armboard configured to support the patient's arm, and a support assembly coupled to the armboard and coupled to the elongated rod, the support assembly including a lockable swivel joint configured to permit movement of the armboard relative to the elongated rod about a plurality of axes.

20           18. The armboard apparatus of claim 17, wherein the mount includes a block adapted to be coupled to the patient support device and a post coupled to the block for vertical movement.

25           19. The armboard apparatus of claim 18, wherein the mount further includes a handle movable relative to the block to lock the post from moving vertically.

30           20. The armboard apparatus of claim 17, wherein the elongated rod includes a first end coupled to the first-recited swivel joint and a second end spaced from the first end, wherein the rod assembly includes a handle positioned adjacent the second end, and wherein the handle is coupled to the first-recited swivel joint and movable between a first position in which the first-recited swivel joint is locked and a second position in which the first-recited swivel joint is unlocked.

21. The armboard apparatus of claim 17, wherein the first-recited swivel joint is unlockable to permit simultaneous movement of the elongated rod about the first-recited plurality of axes, and the first-recited swivel joint is lockable to prevent the elongated rod from moving about the first-recited plurality of axes.

5. 22. The armboard apparatus of claim 17, wherein the support assembly is movable axially along the elongated rod and lockable in a plurality of positions along the elongated rod.

23. The armboard apparatus of claim 17, wherein the second-recited swivel joint is a ball joint, and wherein the support assembly includes a  
10 support coupling the ball joint to the armboard.

24. The armboard apparatus of claim 17, wherein the armboard is made from a radiolucent material.

25. An armboard apparatus for supporting a patient's arm relative to a patient support device, the armboard apparatus comprising  
15 a mount adapted to be coupled to the patient support device, an elongated rod coupled to the mount by a swivel joint, and an armboard configured to support the patient's arm, the armboard being coupled to the elongated rod by a ball joint.

26. The armboard apparatus of claim 25, wherein the swivel joint is  
20 lockable to fix the position of the elongated rod relative to the mount and the ball joint is lockable to fix the position of the armboard relative to the elongated rod.

27. The armboard apparatus of claim 26, further comprising a handle coupled to the elongated rod and movable to unlock the swivel joint.

28. The armboard apparatus of claim 27, wherein the handle is  
25 rotated relative to the elongated rod to unlock the swivel joint.

29. The armboard apparatus of claim 27, wherein the elongated rod defines an axis and the handle is rotated about the axis to unlock the swivel joint.

30. The armboard apparatus of claim 25, wherein the mount includes a block adapted to be coupled to the patient support device and a post  
30 coupled to the block for vertical movement.